

Oil fires threaten Middle East and world

Associated Press

CAMBRIDGE, Mass. — Oil fires in Kuwait not only harm that nation but also threaten the entire Persian Gulf region, and the effects may spread as far as Africa and India, scientists reported Monday at an environmental conference.

"It's not a local disaster, it's not even a regional disaster. It's a world disaster," said Jassem Al-Hassan, a professor of biochemistry at Kuwait University.

Scientists and health experts from around the world who gathered at the American Academy of Arts and Sciences said they are just beginning to get a handle on the dimensions of the disaster, which includes air, land and water pollution problems left by the Persian Gulf war.

In addition to oil wells set afire by Iraqi soldiers, oil was spilled in the Persian Gulf and formerly stable desert sand was loosened and exposed to the wind.

The three-day conference that opened Monday was arranged by the Harvard University school of public health, and is sponsored by the Arab Fund for Economic and Social Development and the U.N. Development Program.

Scientists said researching environmental fallout from the conflict hasn't been easy. War damage has made it difficult to reach some spots, and the desert is still littered with dangerous explosives and ammunition.

Oil wells damaged and set afire have polluted the air not only with soot and smoke, but also with a fine layer of unburned crude that coats everything from clothing to food sold in outdoor markets.

Firefighters have capped many burning wells, but other damaged wells have gushed large pools of oil to the sand.

In the gulf, oil is killing marine life, and settling to the bottom in the form of large tar balls.

Oil isn't the only environmental concern. Trenches and vehicle tracks in the desert and have moved sand that was once held in place by a hardened crust formed by years of exposure. The loosened sand is now blowing across the desert, and dunes that were stable for years are now encroaching on roadways.

Parking rules enforced during finals

By MINDY GORDON
Universe Staff Writer

Regular traffic enforcement will be in effect Tuesday through Thursday, said Steve Baker, manager of parking services.

In the past there have been problems with students parking in faculty stalls, service vehicle stalls and handicapped parking stalls during the last week of classes and during finals.

"In order for the parking system to be fair for everyone, the parking rules will be enforced through the last day of classes and finals," Baker said.

Dignitaries offer support to worshipers

Associated Press

PHOENIX — Thai and Buddhist dignitaries from across the country began arriving here Monday to lend support to the area's small Thai community, following the killings of six monks and three disciples.

The weekend crime left worshipers stunned — and barred by police from the temple that serves as both religious and social center for the Phoenix area's 2,000 Thais.

About 50 people gathered Monday at a Thai restaurant to meet Thailand's ambassador to Washington, Phraabongse Kasemsre, who came to comfort monks from other temples to offer solace and monitor the investigation.

"I feel that the people need me ... during this time of travail," the ambassador said.

Although the monks' belongings were ransacked, valuables in the temple were undisturbed. Some have speculated it could be a hate crime.

Kasemsre refused to discuss his thoughts on motive. "But I do put my trust in the authorities to get to the cause of this tragic case," he said. A monk from Chicago, Phrasunorn Plamintr, director of the Thai Buddhist Monk Association in the United States, said he was there to give them moral support.



A Kuwaiti man steps down from a berm after taking a look at one of the oil wells that was set ablaze by the withdrawing Iraqi army during the occupation of Kuwait.

"What we require right now is the continual monitoring of the situation," said Farouk El-Baz, a geologist who charts changes in the region from aerial photographs.

The loose sand could cause problems throughout the Gulf region, El-Baz said.

There may be trouble for other countries once the wet season begins. Atmospheric changes caused by the oil fires might divert rain that would normally fall on parts of East Africa, where it is needed for agriculture, he said. "The regional effects can be disastrous," El-Baz said.

Environmental changes also could

affect parts of Iran, Turkey, India and Pakistan, he said.

Health experts said it is difficult to chart the long- and short-term effects of the air pollution because some features of the disaster are unique.

Those problems involved smoke while the sabotaged oil wells in Kuwait are spreading a vapor of unburned crude oil.

Dockey said data from past pollution episodes suggest that respiratory problems may elevate the death rate in Kuwait by 10 percent.

"Those are the acute effects," he said. "The question is, what are the long-term effects?"

Kidnappers offer trade

Bush says letter made confusing demands

Associated Press

GENEVA — A letter from Lebanese kidnappers, made public Monday, offered to trade release of Western hostages for the freedom of "all detainees" worldwide.

President Bush initially said the letter made vague, confusing demands and "puts us back in the rumor game." White House spokesman Marlin Fitzwater was more positive later, saying the letter had "some positive aspects" and was the "basis for discussion by many, many people around the world."

U.N. Secretary-General Javier Perez de Cuellar said that after reading the kidnappers' letter he was "a little more hopeful than before." Asked if he thought an end to the hostage crisis was near, he said, "I would not say near but nearer than before."

Peggy Say, sister of hostage Terry Anderson, said after a meeting with a State Department official that she had been given no specific indication when the remaining hostages would be released. "I don't think anybody at this point really knows," she said.

Israel sent Uri Lubrani, its top Defense Ministry adviser on Lebanon, to Geneva where he met with Perez de Cuellar. The substance of the discussion was not made public, and the U.N. chief said the Israeli needed "time to reflect."

French Foreign Minister Roland Dumas said Perez de Cuellar had a mandate from the captors as the result of

"several years of work" and also has the "moral authority" to carry out negotiations.

"The letter is quite general, but there is in the letter a message, and that is the desire to reach a deal," Israeli Defense Minister Moshe Arens told Israel television.

For foreign governments to press Israel to release prisoners without getting anything in return is tantamount to asking it to "forget and abandon its basic obligation toward its missing, hostages and prisoners."

— David Levy
Israeli Foreign Minister

"forget and abandon its basic obligation toward its missing, hostages and prisoners."

French newspapers reported Monday that the United States, Britain and Shiite Muslim extremists held secret talks in Paris recently at which it was agreed that British hostage John McCarthy and American Edward Tracy would be released. Then Israel would free Shiite cleric Sheik Abdel Karim Obeid, spiritual leader of the Hezbollah, or Party of God, according to the reports.

Then, the remaining Western hostages would be released and the fate of Israeli servicemen missing in Lebanon resolved, the reports said. After that, Israel would free Lebanese prisoners.

A British Foreign Office spokesman denied the reports, as did Hezbollah spokesmen. U.S. Embassy spokesman Jerry Prillaman in Paris said he had no comment.

Government strengthens

Kurdish talks stalled in Iraq

Associated Press

BAGHDAD, Iraq — Four months after Kurdish leaders first voiced optimism for reaching an agreement with Baghdad on regional autonomy, talks have bogged down and there are suspicions Saddam Hussein may be stalling.

Kurdish leaders Massoud Barzani and Jalal Talabani have little option but to seek a compromise with Saddam since they cannot be sure any future Iraqi leadership would grant the country's 3.5 million Kurds autonomy.

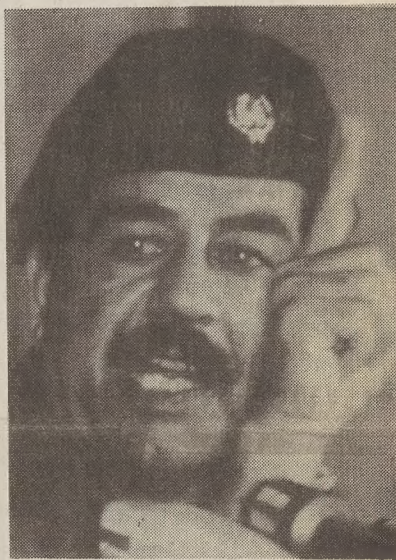
On the other hand, there remains the fear that if U.N. sanctions are lifted and Saddam cements his grip once more, he will tear up any agreement, as he has in the past.

Saddam appears to be consolidating his power within his Sunni Muslim

sect, as evidenced by his recent military recruiting of Sunnis rather than solely Shiites. He is also making progress in getting the United Nations to at least ease the year-old sanctions strangling Iraq.

Western troops have withdrawn from the Kurdish protective zone established in northwestern Iraq, leaving the Kurds facing an uncertain future, and Turkish forces have attacked Kurdish guerrillas in northern Iraq under a 1983 "hot-pursuit" accord with Baghdad.

These developments have put pressure on the Kurds as they try to break the impasse over democratic reforms and territory that have been the major stumbling blocks since the talks began in April following an ill-fated rebellion. Saddam's aim was to split the Iraqi opposition, and in that he appears to have succeeded.



SADDAM HUSSEIN

Researchers accused of changing graphs

Cold fusion data takes heat from scientist

By JILLIAN DEVON
Universe Staff Writer

A former scientist and writer at the Massachusetts Institute of Technology said Friday during a radio interview that cold fusion data conducted by school researchers was altered.

Dr. Eugene Mallove said MIT's Plasma Fusion Center researchers changed graphs and are "attacking other scientists."

He said, "MIT or certain factions and people have acted in a most outrageous way in attacking (University of Utah researchers) B. Stanley Pons and Martin Fleischmann."

"It's sort of an embarrassing situation," Mallove said. "Cold fusion is something that's incredibly easy."

Ron Parker, director of the Plasma Fusion Center at MIT, said Mallove's accusations are "ludicrous" and "absurd."

"Mallove is making allegations that are false. They are potentially damaging to the laboratory and me," Parker said.

On March 23, 1989, Pons and Fleischmann claimed they had "produced a sustained nuclear fusion reaction at room temperature," according to an Associated Press article.

Many scientists and critics became highly

skeptical but interested and hopeful, Mallove said.

Parker said that early on, the MIT center found Pons and Fleischmann had made some mistakes. He said they misinterpreted their results.

"We were skeptical about the results of Pons and Fleischmann," Parker said.

Mallove agreed with the claim that the Utah researchers made mistakes in their experiment, but he feels MIT modified their data and covered up important results.

"I am not attacking MIT as an institution, but in this area they've gone seriously astray,"

Mallove said.

He said the MIT center has stopped conducting cold fusion experiments as of May 1989. Parker said the reason for this was lack of funding.

Dr. Steven Jones, BYU associate professor, disputed the claim that excess heat is related to cold fusion.

In a study conducted by Jones contrasting heat measurements with neutron measurements, a difference of 100 trillion was given as an end result, he said.

Jones said this would be like using a dime to pay the national debt.

Utah County fair represents rebirth of a tradition

By ROB BOWERBANK
Universe Staff Writer

Organizers of the 1991 Utah Valley "County Fair" hope this year's fair will revive the quality and interest of past fairs, a fair committee member said.

Brian Utley, director of the fair, said the fair committee is dedicated to bringing a county fair back to Utah County.

The fair, which begins Wednesday and will run through Saturday at the Spanish Fork Fairgrounds, is the first complete fair since 1988. In 1989 no fair was held and in 1990 a limited fair in which only featured 4-H events were held.

A statement by the Provo/Orem Chamber of Commerce, which has a three year contract to run the fair, said the objective of the fair is to "bring the communities and citizens of Utah County closer together."

"Many people are donating their time and energy to this year's fair to assure its success," Utley said.

Several sponsors, such as Geneva Steel and K-96 Radio, have donated money or services in kind to the fair. Coca Cola is sponsoring a fireworks display on the final day of the fair.

"I expect about 50,000 people to attend the fair," said Greg Mockett, of fair promotions.

"Many fairs are geared toward little kids, but this fair will be interesting for adults also," Mockett said, "yet at the same time won't leave the kids in the dust."

"This year's fair represents the re-



Candidates for the Cream-O-Weber poster calf wait to participate in the Utah County fair in Spanish Fork, which begins Wednesday.

birth of the County Fair," Malcolm Beck of the County Commission said, "The fair is a time to celebrate... the things that make Utah Valley great," he said.

The fair will feature many exhibits and events, such as 4-H competition, fine arts, live music featuring local talent, a dog show (open to the public) and a fishing hole stocked with thou-

sands of fish for kids to catch.

Admission to the fair will be \$2 for adults and \$1 for children. Buttons saying "I Love Utah County" are being sold, for the same price as admis-

sion at the Provo/Orem Chamber of Commerce and are good for admission to all fair events.

"Our goal is to have the best county fair in Utah," Mockett said.

Universe photo by Frank Lee

NEWS DIGEST

Compiled from staff and news service reports

Too high? Retail beef prices in question

WASHINGTON — Beef prices are falling at the feedlot, but consumers aren't paying less for their steaks and hamburger at the grocery store, causing lawmakers and the Justice Department to question how meat is priced.

Nebraska Senators Bob Kerrey and James Exon say supermarket chains are not passing along to consumers lower prices being paid at the feedlot, where ranchers and feedlot operators themselves are struggling with higher prices for supplies and mounting losses.

Meat department managers at grocery stores around the country confirm that retail beef prices have held steady since the first of the year.

"None of the meat prices have dropped. Some of them, like tenderloin, have gone up," said Jeff Brown, meat manager at an A&P in Boston.

But with skidding cattle prices at the feedlot, the two Nebraska Democrats have asked the Justice Department to review whether the widening wholesale-to-retail price spread for beef "reflects excessive concentration within the retail food industry."

They also question whether the level of competition within the industry warrants investigation.

Justice spokeswoman Gina Talamona said the department was conducting an analysis of prices "throughout the meat industry."

Record bank merger largest in history

LOS ANGELES — BankAmerica Corp. will absorb Security Pacific Corp. in a record merger, creating a West Coast banking superpower with a sprawling 10-state network and assets totaling about \$190 billion, the companies said Monday.

The marriage, secretly negotiated for months, will create the nation's second-biggest bank, and easily eclipses two other bank megamergers announced in July. It reflects the enormous pressure on U.S. banks to strengthen through size and cost-cutting to counter the bad-debt runups of years past.

"We intend to build on the strengths of both institutions to create a highly profitable new banking enterprise that will become pre-eminent in the United States and even better positioned on a global basis," said Richard M. Rosenberg, chairman and chief executive officer of BankAmerica.

The wave of mergers in banking comes against a background of profound upheaval in the industry.

Judge sentences 3 abortion protesters

WICHITA, Kan. — A federal judge handed out prison sentences to three anti-abortion demonstrators on Monday, then tossed two out when the protesters promised to obey the judge's order against blockading women's clinics.

U.S. District Judge Patrick F. Kelly ordered a California man to serve a four-month term for contempt of court. Eight others were cleared of contempt and freed.

Kelly had sentenced Paul F. Rosell, 33, of Wichita, to a year in prison for directing children to lie in front of moving vehicles at the clinics, but lifted the term when Rosell said he would obey the anti-blockade order.

Witnesses testified that Rosell had said, "Do it now!" just before a group of juveniles laid face down in front of a moving vehicle outside a clinic Friday.

Royce Ray Lower, 37, of Wichita was sentenced to 180 days in jail but was freed when attorney Paul Dugan promised that Lower would heed the order.

Kelly sentenced Richard A. Czekaj of Santa Barbara, Calif., to four months for taking a leadership role and directing protesters to block a car in front of a clinic.

Microdot aids recovery of stolen goods

SALT LAKE CITY — Police are on the cutting edge of technology in identifying and recovering stolen property, thanks to microscopic identification dots invented by a Utah nurse anesthetist.

The dot, no bigger than the head of a pin, was recently used in a five-month undercover fencing sting in Seattle.

Using the dots to mark and later identify the property, Seattle police recovered more than \$160,000 in stolen goods. Five people were arrested.

"We didn't really know what part the dots would or would not play, but they ended up being a very significant piece of evidence," said inventor Charles Loving.

The dots are made of archive-quality polyester microfilm. Each contains five rows of six-digit numbers visible only under a microscope.

After the dots are applied to valuable goods, numerical codes unique to each customer are recorded in the archives of Loving's business, Micro Indicia Technologies Inc., based in Stansbury Park.

Berlin wall erected on this day in 1961

BERLIN — East German children used to present flowers every Aug. 13 to the troops who guarded the Berlin Wall and supposedly protected them from fascism creeping in from the West.



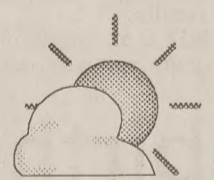
On that date in 1961, the Berlin Wall was erected, a surprise intensification of the Cold War that did not end until a popular revolution forced the wall open on Nov. 9, 1989.

Thirty years after Berlin was cut in half, Germans on Monday praised the freedom now enjoyed in the East and remembered the almost 200 who died trying to escape to the West.

Germans are still trying to deal with the "wall in the head" that divides Ossis from Wessis — the German nicknames for easterners and westerners who don't think alike as they deal with problems of today's united Germany.

Berlin Mayor Eberhard Diepgen confessed in an interview with the Berliner Zeitung: "I ask myself sometimes what mistakes I made. ... I underestimated how much the West German consciousness ignored the East."

Three-day Wasatch Forecast

Today	Tomorrow	Thursday
		
MOSTLY CLOUDY Chance of showers. Cooler than normal. Highs 85-95, lows 50s. Sunrise: 6:36 a.m. Sunset: 8:29 p.m.	PARTLY CLOUDY Widely scattered afternoon showers. Highs 85-95, Lows 50s Sunrise: 6:37 a.m. Sunset: 8:28 p.m.	VARIABLY CLOUDY Isolated showers. Hot and dry otherwise. Highs 90s, Lows 60s. Sunrise: 6:36 a.m. Sunset: 8:27 p.m.

Source: National Oceanic and Atmospheric Administration

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Quote of the Day:

"There is so much good in the worst of us; and so much bad in the best of us — that it behooves none of us to talk about the rest of us."

—Robert Louis Stevenson

Camaro tested as highway patrol car

By BILL DERMODY
Senior Reporter

The Utah Highway Patrol has a sporty new addition to its fleet that may eventually increase the patrol's high-speed performance as well as increase a West Valley Chevrolet dealership's sales.

Gary Whitney, public information officer for the UHP said the new Chevrolet Camaro being tested by the UHP has been a hit with its officers. The car is on loan to the department for a 90-day evaluation.

Chevrolet hopes the Camaro will replace the Ford Mustang patrol cars now being used by many police agencies around the country.

According to a UHP news release, the UHP

added Mustangs to their fleet in 1985 because they were smaller, faster and more fuel efficient.

Whitney said power is the main reason high-performance cars have taken over approximately one third of the UHP fleet.

"The extra speed they give is not so important on the top end; but where it really helps is in off-the-line acceleration," Whitney said.

"Sometimes it can take forever just to catch up with someone."

The Camaro test drive was arranged by Bob Allen, fleet and commercial sales manager at Gus Paulos Chevrolet in West Valley.

"I hope the right people get to drive it and see what a better car it is," Allen said.

Allen said tests in Michigan — where the car has

been in use for a year — showed the Camaro outperformed the Mustang in acceleration, top-end speed and safety.

Allen said he hopes the Camaro's performance in these categories will convince the UHP to make a change.

He also said the Camaro is more stable at high speeds because of its larger wheel base and heavier weight, making it a safer car.

He said that high-volume financial incentives from General Motors will also allow his dealership to offer the Camaro to the UHP at a price that is competitive with that of the Mustang.

Whitney said the sporty look of the Camaro has made it an instant hit with UHP officers. "It's a really good looking car," he said.

Cannon admits exceeding campaign donation limits

By JENNIFER GARDNER
Universe Staff Writer

After admitting to using marijuana once as a student at BYU in 1967, Republican Senate candidate, Joe Cannon, has admitted to another infraction of the law. Cannon said he unintentionally violated federal election laws last year.

The revelations about Cannon's political contributions were made public in a copyrighted story published Saturday by The Deseret News.

"I apparently committed a technical violation. It was a relatively minor matter and I doubt the Federal Election Commission will take any action," Cannon said.

FEC records show Cannon donated \$32,750 to House and Senate candidates and the Republican National Committee for 1990 elections.

"The legal limit for such donations is \$25,000 per person, per election year," said the FEC. "Cannon was over by \$7,750."

"To be perfectly honest, I didn't know about the limit. Overall, I've had better weeks," Cannon said.

The FEC said that if Cannon had made some donations in his wife's name, all would have been perfectly legal. "A husband and wife can each donate \$25,000 in an election cycle, even if the money comes out of the same checking account," said the FEC.

Cannon said he intended for the donations to be from himself and his wife, especially the \$15,000 contribution to the Republican National Committee. But, the FEC said because he signed the checks himself, according to FEC rules, the donations were all from him. Cannon said he instructed his lawyer to write the FEC and re-



JOE CANNON

port he had unintentionally broken the law. "The letter asked the FEC to take any steps it feels necessary," said Cannon.

Cannon also said he is writing to all the candidates to whom he gave money to tell them of the situation, and to seek either some refunds to bring him back under the limit, or reclassification of some donations as coming from his wife.

The FEC said their records show Cannon spread money not only to his fellow Republicans, but also to Democrats — in some cases people competing for the same office. "It was necessary for the political survival of Geneva Steel," Cannon said.

Congressional candidates still faced with hefty debts

Associated Press

SALT LAKE CITY — Four of 1990's Utah congressional candidates are still saddled with large campaign-related debts, Federal Election Commission documents reveal.

FEC records show that former Rep. Dan Marriotti, who lost a Republican primary bid to Genevieve Atwood, has assumed a \$30,000 personal loan from Zions Bank to cover his political debts.

A successful insurance consultant, Marriotti also loaned his campaign several thousand dollars last year. He reports no campaign debts and has \$1,055 in cash on hand.

Atwood, who went on to lose to Rep. Wayne Owens, D-Utah, loaned her campaign \$75,000. Her FEC report shows she has repaid herself \$60,000 but is still owed \$15,000. She still owes \$20,000 in debts (including her own loans) and has \$3,339 in cash on hand in her campaign account.

Steven Densley and Bill Orton ran for the House in the 3rd District last year. Densley was barely eliminated in the state GOP convention. Orton, a Democrat, went on to beat Republican Karl Snow in the final election.

Densley loaned his campaign \$23,808, his latest FEC filing shows. He has just \$5.71 in cash and has debts of \$20,308 (including his own loans). Densley has been out fund raising lately. His report shows he has raised \$15,357.

Snow and his GOP primary oppo-

nent, John Harmer, as of Monday had not filed their latest FEC reports with the lieutenant governor's office.

Orton also funded much of his 1990 race himself.

A successful tax attorney before his election, Orton listed his earnings in a U.S. House form at \$250,000 in 1989.

Orton raised \$64,652 in recent months, repaid himself \$45,000 in loans, but still owes \$22,149 in 1990 campaign debts. Orton has been wooing political action committees, raising \$50,000.

Two of Utah's long-term incumbents, Owens and Sen. Orrin Hatch, have done well in fund raising.

Owens has raised \$31,360 the last several months, \$26,600 from PACs. He's been spending as well, though. Owens, who will seek re-election next year, has just \$3,104 cash on hand.

Hatch doesn't face re-election until 1994, but he has \$296,510 in cash on hand.

He's raised \$74,137 since the first of the year, \$45,082 from PACs. In his 1988 re-election, Hatch spent about \$4 million.

Sen. Jake Garn, R-Utah, has already announced he's not seeking re-election next year. Garn's FEC report shows \$74,225 in cash on hand. Senate rules dictate what Garn can do with the money after he leaves office in January 1993.

Finally, Jim Hansen, R-Utah, and his 1990 Democratic opponent, Kenley Brunsdale, are in relatively good financial shape.

Former Y professor sentenced to prison

By BILL C. PRAY
Universe Staff Writer

A former BYU microbiology professor has been sentenced to prison for one to 15 years on each of two second-degree sexual abuse charges and up to five years on each of two incest charges.

Sheril Burton, 55, of Orem, was sentenced in 4th District Court Fri-

day by Judge Cullen Y. Christensen. Burton was ordered to report to the county jail Aug. 19 at 9 a.m.

Burton was also ordered to pay \$7,500 in fines and fees, in addition, he was ordered to pay restitution for counseling and treatment of the victims.

Christensen also denied a motion to sentence Burton under the next lower category.



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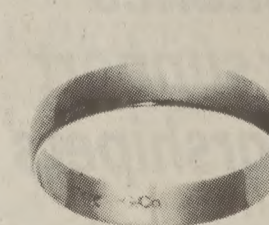
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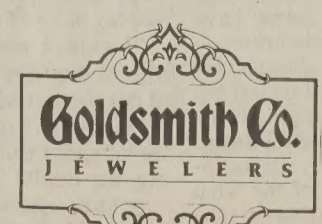


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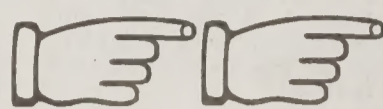
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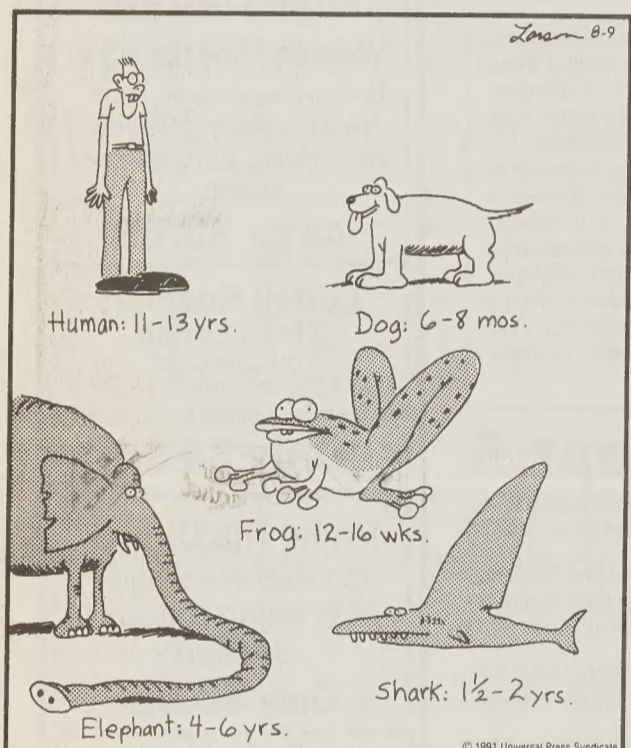
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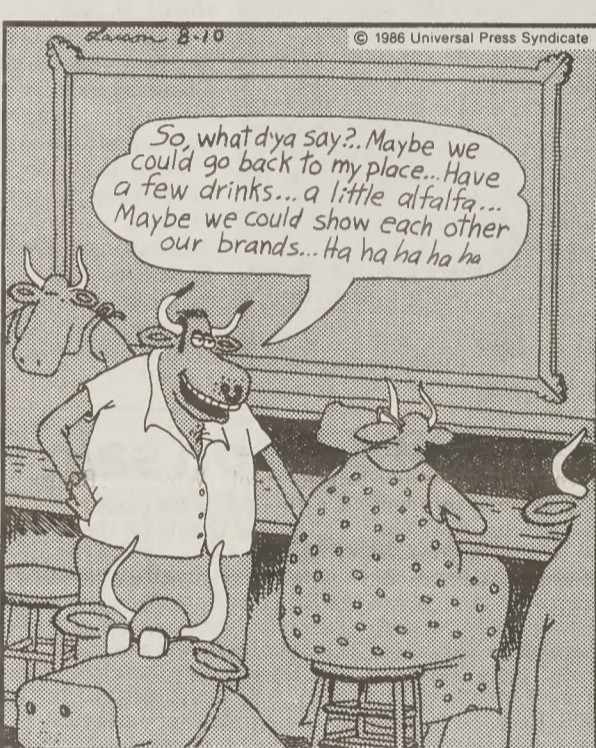
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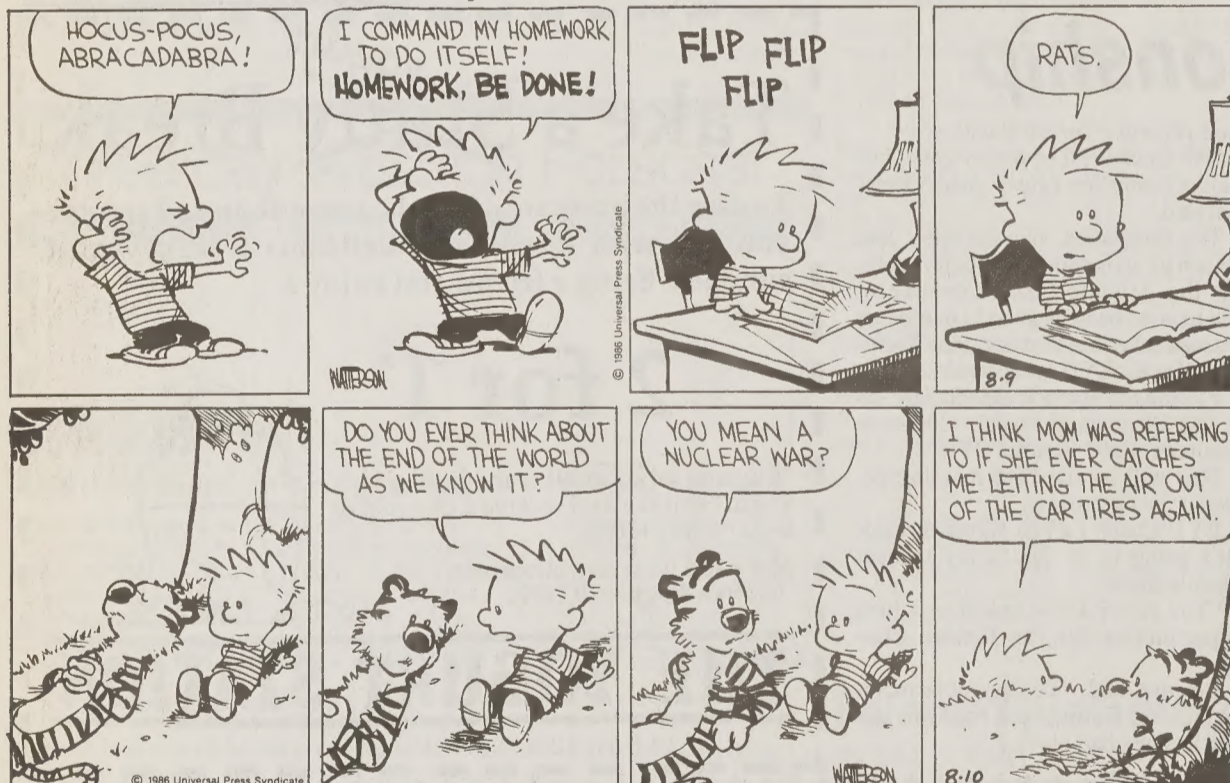


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Police investigate male suspect seen in female issue room

MINDY GORDON
Universe Staff Writer

University Police are investigating a report that a male suspect allegedly took a camera into the Women's Issue Room in the Ernest L. Wilkinson Building Saturday.

Elaine Clark, supervisor of the Women's Issue Room in the Wilkinson Building, said a male suspect had been spotted all over the room, mostly on the weekends.

"I would hate for anyone to be hurt in any way. Some girls say they don't even like to shower here because there have been guys here before," Clark said.

— Elaine Clark
Supervisor of the Women's Issue Room

The suspect was reported to be a Asian, approximately six feet inches tall with dark skin, dark hair combed to the right side and wearing gold-rimmed glasses. He was wearing a tan shirt with dark brown pants.

University Police responded to the following incidents from July 29 to August 7.

THEFT—July 29, a black leather case worth \$100 was stolen from a Harmon Continuing Education building.

THEFT—July 31, approximately worth of ice cream and cash was stolen from a vending machine in the



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By MINDY SEAMONS
Universe Staff Writer

Utah has the lowest rate of cancer in the United States, and researchers believe the lifestyle of the predominant population of The Church of Jesus Christ of Latter-day Saints contributes to the low rate.

The National Cancer Institute released a report last week that looks at the rates, trends and deaths compiled with data from around the country.

Brenda Edwards, associate director of the institute's surveillance program, said Utah has the nation's lowest incidents of cancer deaths.

"When we've ranked the 50 states, with regard to age-adjusted mortality rates, Utah has the lowest rate of 125 cases per 100,000 population," she said.

James E. Enstrom, UCLA epidemiologist, conducted a different study on 10,000 non-smokers and non-drinkers.

Enstrom said LDS High Priests 65 years and under had a 22 percent death rate while their wives had a 47 percent death rate.

"These results demonstrate sub-

stantial progress in prevention of cancer and other diseases in one well-defined population, and they suggest a lifestyle that could result in a major reduction in cancer mortality, as well as mortality in general," Enstrom said.

Edwards said, "It illustrates a group of individuals (that) have healthy practice in regard to diet because of the large Mormon population.

"There is an absence of smoking among most of the population (and) alcohol is not consumed. These are factors that are often related to cancer risk."

Ivonne Howe, tumor registrar at Utah Valley Regional Medical Center, said Utah has the lowest rate of lung cancer, but ranks high in prostate cancer.

Howe said this high rate is caused by a high fat intake among LDS members.

The record compiled by the National Cancer Institute will be used to study the variants of cancer rates and to learn from states like Utah so other states with high incidents of cancer can be helped.

BYU and U of U get joint research grant

By ROSILEE LAWSON
Universe Staff Writer

BYU and the University of Utah received a \$2,050,000 award for the Advanced Combustion Engineering Research Center from the National Science Foundation for the ACERC's high ratings.

ACERC is one of 18 engineering research centers in the United States sponsored by the Foundation, and it is the only center dealing with the vital topic of combustion, said William R. Clarke, ACERC industrial relations manager.

"This is the largest single research grant ever received by Brigham Young University," Clarke said.

The National Science Foundation looks for quality, productivity and how it relates to the objectives of the organization, said Calvin H. Bartholomew, associate director of ACERC.

L. Douglas Smoot, director of ACERC and BYU dean of engineering and technology, said there are several reasons why ACERC has received such high ratings from the National Science Foundation. "ACERC has a very capable faculty at BYU and the University of Utah. ACERC has also had very productive research results together with a management team that has continued since the beginning of the center."

This is the largest single research grant ever received by Brigham Young University.
— William R. Clarke,
ACERC Industrial Relations Manager

Bartholomew said, "The National Science Foundation looks at how well ACERC transfers technology and scientific information to industries and other companies."

Another strength of the ACERC organization is its excellent educational program. The National Science Foundation looks for organizations that have a strong educational program for the students, Bartholomew said.

"The education program has seminars where speakers who are well known in the field of combustion address the students and faculty. The program also has interesting advanced courses over the Utah

Serbia, allies call for new constitution

Associated Press

BELGRADE, Yugoslavia—Yugoslavia's largest republic, Serbia, and its allies called Monday for a new constitution in a step toward forming a new federation dominated by the Serbs.

Serbian President Slobodan Milosevic and leaders of Montenegro and Bosnia-Herzegovina said the new Yugoslavia should be a multi-party state with a constitution allowing for a market economy and guaranteeing the equality of its republics and peoples, a document issued by the three states said.

The three urged Yugoslavia's other three republics to join the project, but Slovenia, Croatia and Macedonia boycotted Monday's meeting. Slovenia and Croatia declared independence June 25 and Macedonia has scheduled a referendum on independence Sept. 8.

Serbia has said Croatia can leave Yugoslavia but cannot take with it Croatia's ethnic Serbs or their territory.

If Serbia, Montenegro and Bosnia-Herzegovina form their own federation, Serbs would dominate.

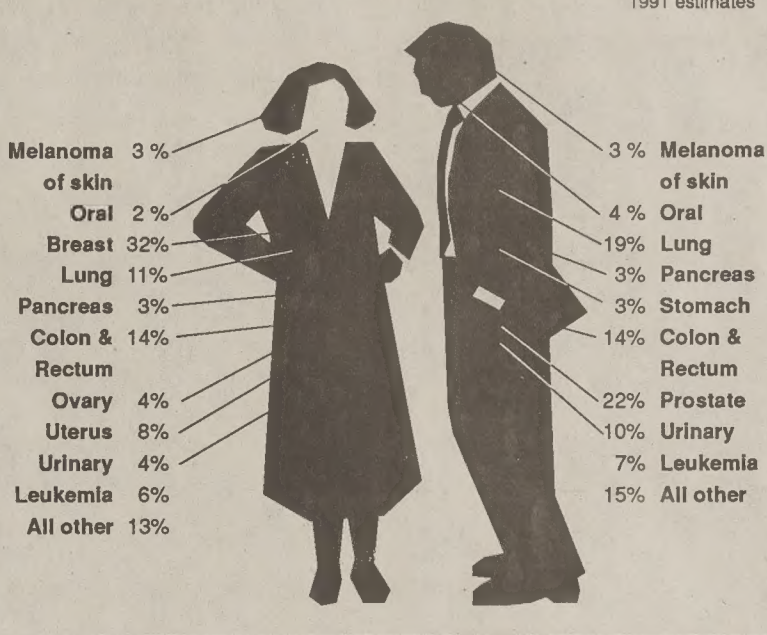
Milosevic's opponents charge he seeks a "Greater Serbia" incorporating Serb-dominated areas of Croatia.

Stjepan Kljucic, head of the Croatian Democratic Union in Bosnia and a member of that republic's collective presidency, branded Monday's initiative "a simple trick by Milosevic."

He said the Serbian president is luring Muslims with the vision of a smaller Yugoslavia in which they would be the second biggest ethnic group.

But, "when he surrounds them, there would be a totally Bolshevik terror state where there would be no talk of rights," Kljucic charged.

Cancer Incidence by Site and Sex*



Source: Cancer Journal for Clinicians, Jan./Feb. 1991

Bryant Beck/Universe

educational T.V. network," Bartholomew said.

ACERC is seen as one of the best managed research centers. "ACERC has had three experienced people directing the center from the beginning. Those include Dean Douglas L. Smoot, myself and David Pershing from the University of Utah," Bartholomew said. "We work well together and we have a very strong advisory board from the industries and a strong executive board from the faculty," he said.

The Center, faculty and students have published more than 300 articles since the organization began six years ago, Smoot said.

"The intermediate future of ACERC is very bright. The National Science Foundation will provide funding through 1997 if the center continues to be successful," Smoot said.

ACERC is involved in a vital area of international research. Almost all of our energy supply comes from combustion. ACERC's research is the core of an improved environment, Smoot said.

Clarke said, "Thirty-eight separate research projects are being conducted by ACERC that contribute to the focus of the Center, which is the clean and efficient combustion of fossil fuels, including coal, natural gas and oil, as well as the combustion of toxic and solid wastes."

Graduation activities to begin Thursday

By MARCI BOWERS
Universe Staff Writer

Everyone get ready to celebrate! BYU summer graduation activities will begin Thursday and continue Friday.

Thursday's activities include commencement exercises at 4:30 p.m. in the Marriott Center and a graduation banquet at 7:15 p.m. in the Wilkinson Center Ballroom, according to a BYU Press release.

Parents and friends are asked to be seated by 4:15 p.m. for the cap and gown ceremony. Richard L. Bushman will be the speaker for the commencement exercises, according to the Alumni House.

Tickets for the banquet will be available for \$9 at the Alumni House weekdays between 8 a.m. and 5 p.m. "Tickets need to absolutely be purchased by 10 a.m., Aug. 13. An account of who will be attending the banquet is needed for BYU Food Services," Smith said.

For additional information, contact Ida Smith at 378-7621. Graduates and their parents are invited to a President's Reception Friday from 9 a.m. to 11 a.m. in the Memorial Lounge of the Wilkinson Center.

According to the Alumni House, the following is a list of Friday's convocation schedule of colleges, times, and places:

Marriott School of Management 8

a.m.	Marriott Center	
	Education	8 a.m.
	Wilkinson Ballroom	
	Physical and	
	Mathematical Sciences	8 a.m.
	Provo LDS Tabernacle	
	Family, Home, and	
	Social Sciences	10:30 a.m.
	Marriott Center	
	Humanities	10:30 a.m.
	Wilkinson Ballroom	
	Nursing	10:30 a.m.
	Madsen Recital Hall	
	Physical Education	10:30 a.m.
	Provo LDS Tabernacle	
	Engineering	1 p.m.
	Marriott Center	
	Biology and Agriculture	1 p.m.
	Wilkinson Ballroom	
	Fine Arts and	
	Communications	1 p.m.
	Provo LDS Tabernacle	

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Y student wins grant to finish film project

By MARCI BOWERS
Universe Staff Writer

A BYU film student has received \$3,000 worth of raw film stock from the Eastman Kodak Product Grant Program to complete a project about a BYU alumnus who is the 'Father of Acoustics'.

Maureen Fletcher, a graduate student in Fine Arts, received the film stock to help her complete a film about her husband's late grandfather, Harvey Fletcher, according to a BYU press release.

Fletcher said she won the grant because she chose a topic that was worthwhile, and she took the time to develop her proposal.

Harvey Fletcher was a graduate of BYU in 1907. He received his doctorate in physics from the University of Chicago in 1911. He worked for Bell Telephone Laboratories for 33 years, primarily in the fields of speech, music, and hearing, according to Encyclopedia Britannica.

He wrote a book about much of his work on the fundamentals of psychoacoustics, called 'Speech and Hearing'(1922). Fletcher and his team gave the first public demonstration of stereophonic sound in 1934 in New York City. He established a department of acoustical engineering at Columbia University in 1949, according to the Encyclopedia Britannica.

In 1952 Fletcher was appointed director of research at BYU, becoming dean of the College of Physical Engineering Sciences (1954) and professor of physics (1958). In 1974 he became professor emeritus, continuing his research in acoustics until a few weeks before his death, according to the Encyclopedia Britannica.

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President Bush will make a visit to Utah in fall

By CELIA ORME
Universe Staff Writer

President George Bush will make a "courtesy visit" to Salt Lake City Sept. 18, the Utah State Republican party announced Monday.

Utah Republican Chair Bruce R. Hough said Bush "wants to take the time to thank Utahns for their support and to lay the groundwork for a Republican victory in 1992."

Included in Bush's agenda is a visit with leaders of The Church of Jesus Christ of Latter-day Saints and a fundraising dinner at the Little America Hotel in Salt Lake City at 7:30 p.m.

Next month's visit will be Bush's first appearance in Utah since 1982, made while serving as vice president under Ronald Reagan. Utah's last presidential visit was made by President Reagan in September of 1984.

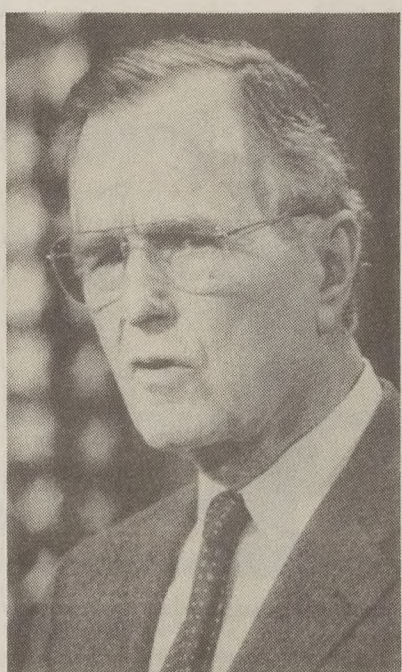
Utah G.O.P. leaders hope Bush's visit will boost the party both financially and politically as it begins a major election year.

Both parties are aiming for the offices Governor Norm Bangerter and Senator Jake Garn will leave open when they complete their terms.

Republicans are even more serious about "bringing republicans back to Washington" by replacing democratic congressmen Bill Orton and Wayne Owens, Hough said.

Hough said Bush's interest in Utah "is in sharp contrast to the national Democratic party which ... has written off Utah."

Utah State Democratic Party



PRESIDENT GEORGE BUSH

Chairman Peter Billings Jr. said that while no major visits are planned by national democratic officials, the state has been in no way "written off."

"Clearly, with the senate and governor's seats open, we're going to be receiving lots of attention," Billings said. Billings said that although "we don't have a president or a vice president to help us raise money... we find the people of Utah listening to their own more than to someone out of state."

Lee Library accommodates needs of disabled

By TIM BROSNAHAN
Universe Staff Writer

The Harold B. Lee Library is equipped to help the handicapped by being receptive to their needs, said the bibliographic librarian.

Julene Butler has helped the library administration become sensitive to the needs of disabled persons, said Larry J. Ostler, assistant university librarian. "She really helped motivate us,"

Ostler said. "For example, when we purchase equipment for the library, we take into consideration persons with mobility impairment," he said.

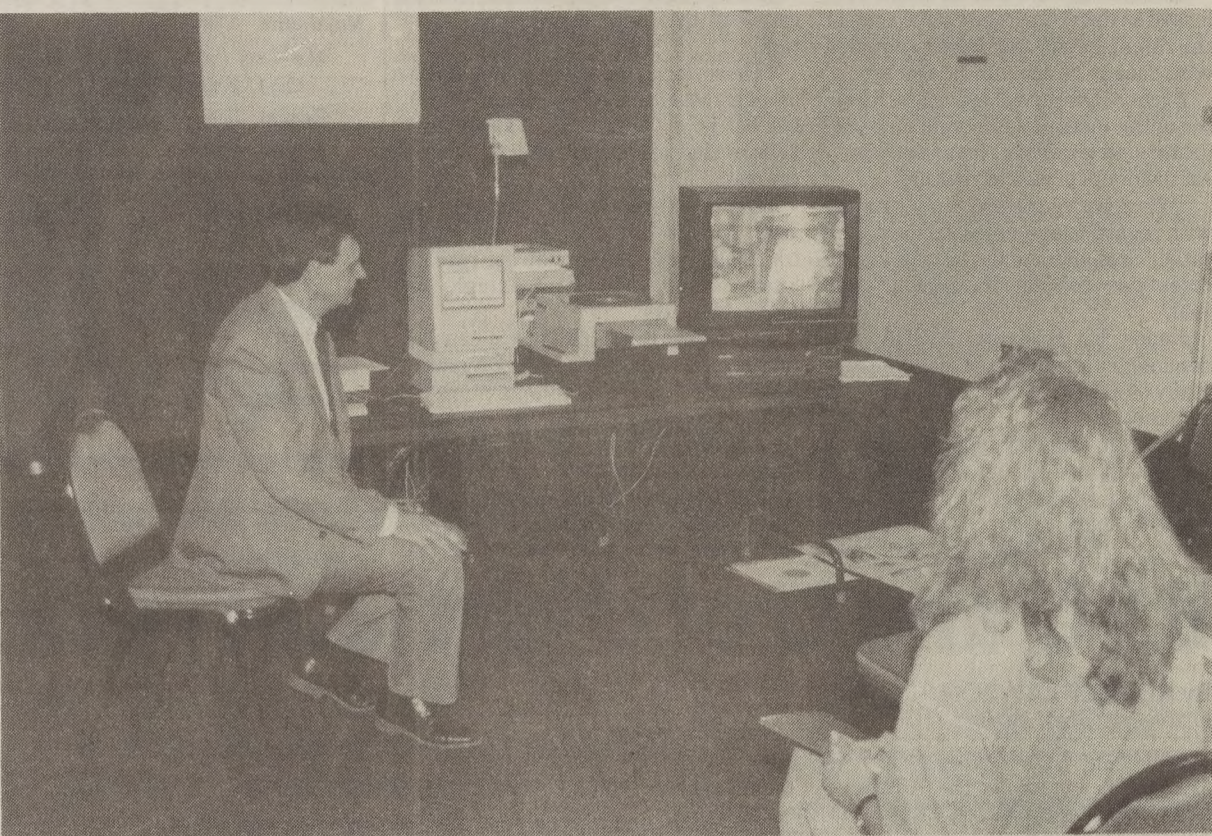
Butler said she was stricken with polio when she was three years old and has been in a wheelchair all of her life.

"We basically have service upon request. There is always someone to assist," Butler, who has been with the library for 20 years, said the library administration takes her comments seriously.

The library has invested a lot of time to get the shelving wide enough for a wheelchair. Most stack areas are accessible, she said.

Butler said library doors, elevators, a drinking fountain, marked bathrooms and computer work stations for wheelchairs are other conveniences for the handicapped at the library.

Although retrieval of materials from shelves and reaching for the copy machine are difficult for Butler, she said she doesn't mind asking for help.



Universe photo by Michael Hammer

Equipment and space given to the Public School Partnership Program are shown to reporters.

Grant aids educational technology

By KATHRYN BAER
Universe Staff Writer

BYU's College of Education has received a \$300,000 grant for its Public School Partnership program from the US West Foundation.

The grant, which includes use of US West building space and technical equipment, will enable the partnership program to build a technology center. At the center, school teachers and BYU education students will be able to produce software and video programs to be used in public schools.

"This contribution will provide necessary equipment for the center, including cameras, recorders and mixing boards that have come from US West television studios," said Howard Doerr, executive vice-president and chief financial officer for US West.

The programs developed in the technology center will help increase

the time teachers spend with students. By using computers to eliminate time-consuming tasks, such as grading papers and recording scores, teachers will be able to focus more on individual students and specific needs.

Joseph Bishop, executive director of the partnership, said that until now the field of education has not realized the advantage of technology. "Teachers will spend less time in repetitious activities that can be automated. This is a major step forward in educational renewal," he said.

BYU's partnership program was formed in 1984. The partnership is made up of the College of Education and five Utah school districts—Alpine, Jordan, Nebo, Provo and Wasatch. "This is an exceptional gift that represents a three-year effort by US West and BYU," Bishop said.

Materials that will be developed in the technology center will be shared

by teachers forever, he said. Although the cost of developing the materials is high, the cost of duplicating and distributing them to schools in Utah and the West will be low, Bishop said.

The US West Foundation is part of US West Inc. The foundation has allocated \$26 million to an educational initiative in 14 states.

"We are looking at ways for the equipment to have great utilization in schools," Doerr said. The equipment will be used by the partnership program in greater ways than US West could use it, he said.

"The technology center will benefit educational endeavors in Utah and a broader section of the West," Doerr said.

Ed Green, a professor of education, has developed a step-by-step curriculum for teaching Algebra that uses videotapes and newsprint booklets instead of expensive text books.

Volunteers are key to the success of Education Week

By TONYA BUCHMILLER
Universe Staff Writer

The success of BYU's Education Week, scheduled Aug. 20-23, greatly depends on volunteers, and many are still needed this year, an Education Week coordinator said.

Ellen Allred, Education Week coordinator, said more than 500 hosts and hostesses are needed to greet and seat students, check registration tickets, take attendance counts, assist faculty and help with other details.

Volunteers are vital to the success of the Education Week program, she said.

"We talk with continuing education colleagues around the country, and they tell us they could never hold a program like this. They tell us they would never be able to get enough volunteers," Allred said.

Allred said, "Many of our volunteers come back year after year to help. They say the rewards from service bring them back. We get a tremendous response from former volunteers, but the program could always use more," she said.

Kim Melanson, Education Week

hosting coordinator, said volunteers from Wyoming, Idaho, Arizona, California and Utah have already offered their services as hosts and hostesses.

"Many of our volunteers come back year after year to help. They say the rewards from the services bring them back."

— Ellen Allred
Education Week coordinator

"But we still need more volunteers," she said. Volunteers will get free admission to all Education Week classes, Melanson said.

Janet Gale, a 40-year resident of Provo and yearly volunteer, said, "It's the feeling here that keeps me coming back. One of my most rewarding experiences last year was helping a blind lady."

Con Carver, also a resident of Provo and former volunteer, said helping students have an enjoyable experience makes it all worthwhile.

"I've been able to make some special arrangements for disabled people, even helping them to a seat or holding the elevator for them. I feel fortunate to be a part of Education Week," Carver said.

Anyone interested in volunteer service for Education Week should contact the Education Week office on campus at 278 HCEB or call 378-2087.

CEDO to advise small businesses

By BRETT A. NORD
Universe Staff Writer

Nine small businesses in Orem will get some help when the Commission for Economic Development opens an in-house incubator during the middle of September.

The Orem Technology Center, located in the old Utah County Building, will offer office space, telephone services, computers, facsimile, copiers, as well as business consulting. CEDO Executive Director DeLance Squire said the incubator has been a goal of CEDO for several years. "We feel there is great potential for home-grown businesses, and we would like to establish an environment which provides opportunities for this activity," Squire said.

The kind of businesses CEDO is looking for are new non-retail, locally non-competitive businesses that will be able to take advantage of the environment.

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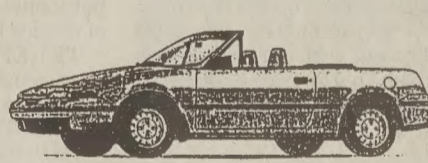
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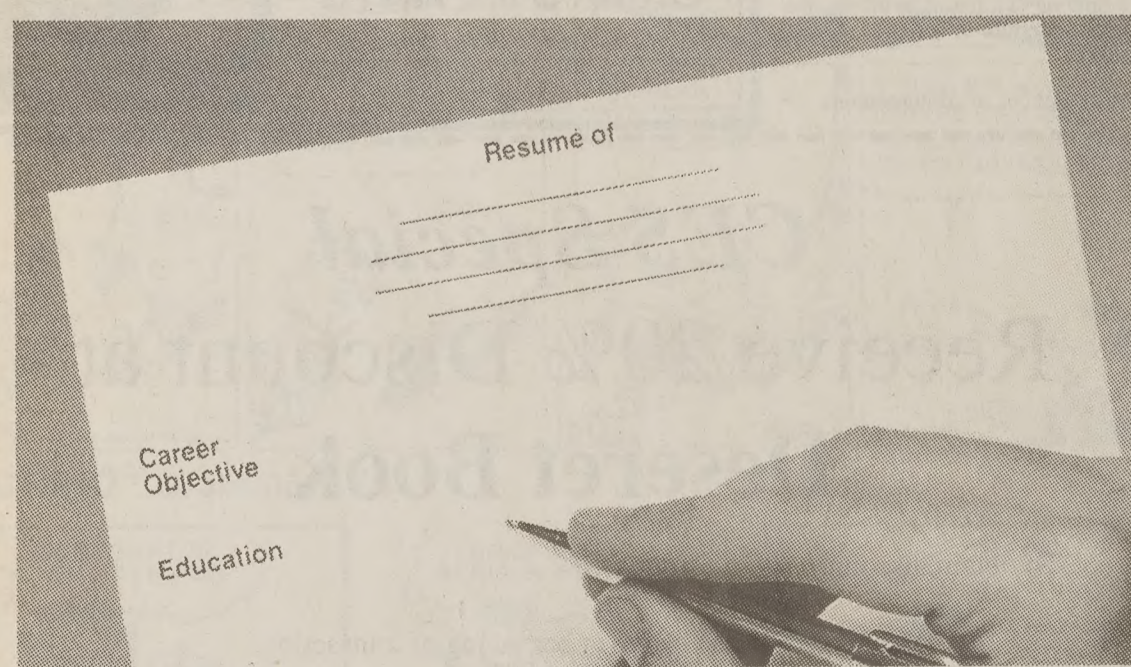
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